

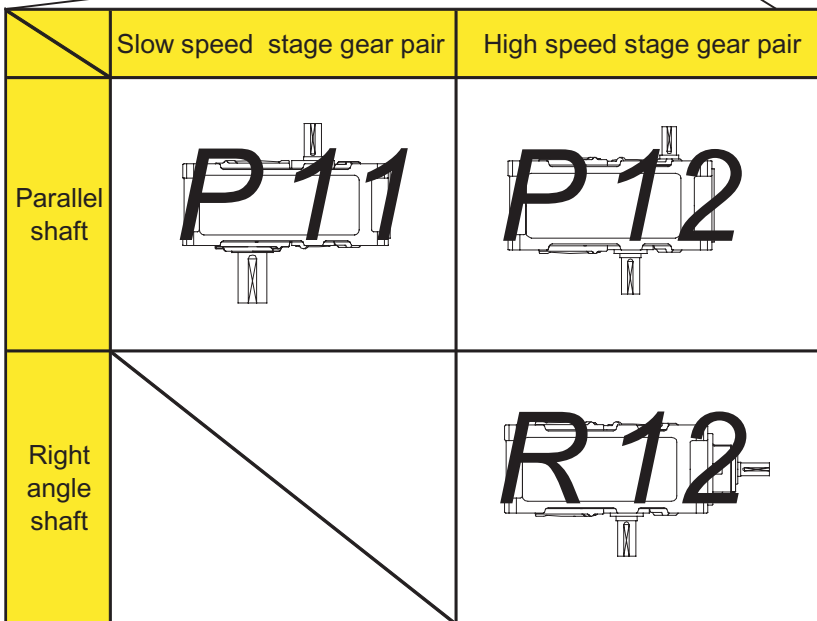
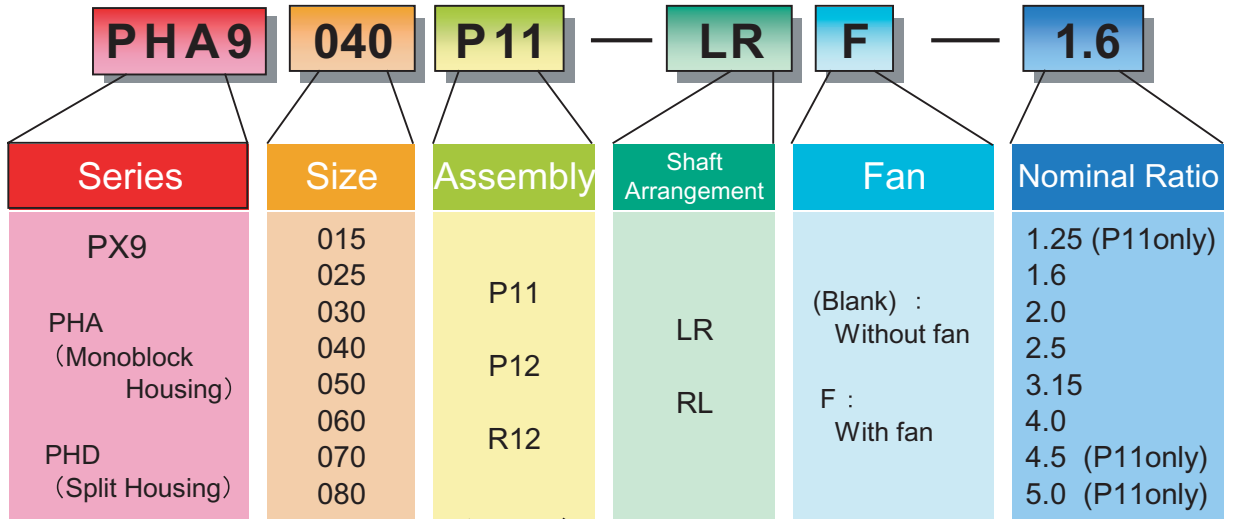
PARAMAX® 9000 Series	Specifications
Single Stage	9P2-005E Rev.3
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Single Stage

1. Nomenclature



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## 2. Rating Tables

## P11 Mechanical Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Size of Reducer							
			9015	9025	9030	9040	9050	9060	9070	9080
1.25	Exact Reduction Ratio		1.250	1.242	1.276	1.226	1.233	1.233	1.267	1.258
	1800	1440	197	311	540	656	973	1440	2080	2870
	1500	1200	164	270	450	578	857	1260	1830	2530
	1200	960	131	226	360	489	733	1080	1570	2160
	1000	800	109	196	300	423	636	952	1380	1900
	900	720	98	179	270	387	582	871	1270	1760
	750	600	82	154	225	332	499	748	1090	1520
1.6	Exact Reduction Ratio		1.643	1.643	1.643	1.556	1.577	1.577	1.615	1.593
	1800	1125	176	264	501	572	844	1250	1800	2500
	1500	938	152	229	438	503	743	1100	1590	2200
	1200	750	128	192	361	426	635	941	1360	1880
	1000	625	111	166	301	369	552	826	1190	1660
	900	563	101	152	271	338	505	756	1100	1540
	750	469	87	131	225	290	433	648	951	1330
2.0	Exact Reduction Ratio		1.960	1.960	1.960	1.962	2.045	2.045	1.957	2.043
	1800	900	157	236	447	530	715	1050	1600	2130
	1500	750	136	204	391	466	629	932	1400	1880
	1200	600	114	172	328	394	538	797	1200	1600
	1000	500	99	149	284	342	467	699	1060	1410
	900	450	90	136	260	313	427	640	982	1310
	750	375	77	117	223	268	367	549	842	1130
2.5	Exact Reduction Ratio		2.524	2.524	2.524	2.500	2.522	2.435	2.435	2.478
	1800	720	132	198	376	448	665	1010	1490	2020
	1500	600	114	172	329	394	585	892	1310	1780
	1200	480	96	144	276	334	501	763	1120	1520
	1000	400	83	125	239	289	434	669	991	1340
	900	360	76	114	219	265	398	613	917	1240
	750	300	65	98	187	227	341	525	787	1070

## Notes

1. When the high speed shaft speed is not shown in the table, find it by the interpolation method.
2. When the high speed shaft speed(N) is lower than 750r/min,find the mechanical power rating(P<sub>N</sub>) according to the following formula.

$$P_N = P_{750} \times \frac{N}{750}$$

3. Consult us when the high speed shaft speed is over 1800r/min.
4. Shown in the table are the ratings for the slow speed shaft.

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## P11 Mechanical Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Size of Reducer							
			9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio		3.111	3.111	3.167	3.105	3.100	3.158	3.158	3.211
	1800	571	117	170	322	387	578	837	1230	1670
	1500	476	101	147	282	341	509	737	1080	1470
	1200	381	85	123	236	288	435	630	930	1260
	1000	317	73	107	205	250	378	553	819	1110
	900	286	67	98	187	228	346	506	758	1030
	750	238	58	84	161	196	296	434	650	890
4.0	Exact Reduction Ratio		3.944	3.889	4.059	3.889	4.063	3.938	3.938	4.000
	1800	450	101	155	274	337	463	705	1040	1410
	1500	375	87	134	230	297	407	620	916	1240
	1200	300	73	113	185	251	348	531	784	1060
	1000	250	63	98	155	218	302	466	690	935
	900	225	58	89	140	199	277	426	638	869
	750	188	50	76	117	171	237	365	547	750
4.5	Exact Reduction Ratio		4.563	4.438	4.375	4.438	4.625	4.588	4.412	4.412
	1800	400	89	138	247	300	431	646	981	1350
	1500	333	77	119	207	264	379	569	864	1190
	1200	267	65	100	167	223	324	486	739	1020
	1000	222	55	87	139	193	281	427	650	900
	900	200	49	79	126	177	258	391	602	836
	750	167	41	67	105	152	221	335	516	722
5.0	Exact Reduction Ratio		4.895	4.889	4.941	4.882	5.000	4.938	5.133	5.133
	1800	360	88	134	207	289	404	608	866	1190
	1500	300	74	114	173	254	356	535	762	1050
	1200	240	59	92	139	215	304	458	652	903
	1000	200	49	77	116	182	264	402	574	794
	900	180	44	69	105	164	241	368	531	738
	750	150	37	58	88	137	207	315	455	637

## Notes

1. When the high speed shaft speed is not shown in the table, find it by the interpolation method.
2. When the high speed shaft speed(N) is lower than 750r/min,find the mechanical power rating(P<sub>N</sub>) according to the following formula.

$$P_N = P_{750} \times \frac{N}{750}$$

3. Consult us when the high speed shaft speed is over 1800r/min.
4. Shown in the table are the ratings for the slow speed shaft.

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## P11 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
1.25	Exact Reduction Ratio			1.250	1.242	1.276	1.226	1.233	1.233	1.267	1.258
	1800	1440	-	62	80	79	113	98	116	103	-
			1	172	208	199	276	236	326	268	-
	1500	1200	-	69	95	101	149	153	201	236	208
			1	172	222	226	324	330	504	549	440
	1200	960	-	74	107	116	175	195	267	341	377
			1	163	220	232	338	373	595	702	709
	1000	800	-	75	111	123	187	215	299	393	464
1			147	204	218	320	365	591	718	873	
900	720	-	75	112	125	190	222	311	413	499	
		1	141	196	219	311	360	587	721	795	
750	600	-	74	112	125	193	229	323	434	539	
		1	126	179	193	288	338	555	690	782	
1.6	Exact Reduction Ratio			1.643	1.643	1.643	1.556	1.577	1.577	1.615	1.615
	1800	1125	-	76	93	113	148	147	157	222	175
			1	213	244	285	363	355	442	579	418
	1500	938	-	80	102	126	170	183	222	310	324
			1	200	238	283	370	394	557	720	685
	1200	750	-	82	107	134	184	209	271	376	439
			1	181	222	268	356	400	604	776	825
	1000	625	-	81	108	136	189	219	294	407	495
1			159	198	241	324	371	580	743	824	
900	563	-	80	107	136	189	222	301	416	516	
		1	150	189	239	311	360	569	567	822	
750	469	-	78	105	134	188	223	308	431	537	
		1	133	168	207	281	330	529	685	779	
2.0	Exact Reduction Ratio			1.960	1.960	1.960	1.962	2.045	2.045	1.957	2.043
	1800	900	-	75	95	112	166	168	230	272	311
			1	210	250	283	406	407	649	711	741
	1500	750	-	77	101	121	181	190	264	335	402
			1	193	234	272	394	409	663	777	852
	1200	600	-	77	103	127	190	203	287	379	468
			1	171	213	253	367	389	638	781	880
	1000	500	-	76	102	128	192	208	294	397	497
1			148	187	226	329	352	580	725	828	
900	450	-	75	101	127	191	208	295	402	506	
		1	141	178	222	314	337	557	703	807	
750	375	-	72	98	124	188	205	293	404	512	
		1	123	157	191	280	302	503	642	743	
2.5	Exact Reduction Ratio			2.524	2.524	2.524	2.500	2.522	2.435	2.436	2.478
	1800	720	-	69	88	105	210	186	254	304	354
			1	193	230	266	515	450	717	793	843
	1500	600	-	70	91	111	167	203	283	354	429
			1	174	212	250	365	438	710	822	909
	1200	480	-	68	92	113	172	214	301	388	482
			1	151	189	226	332	409	670	800	905
	1000	400	-	67	89	112	171	216	305	400	503
1			131	164	198	293	366	603	730	837	
900	360	-	65	88	111	170	215	305	402	508	
		1	122	154	195	278	348	575	703	810	
750	300	-	62	85	107	164	211	300	400	509	
		1	106	135	166	245	311	516	636	738	

## Temperature Correction Factor Table

Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	page 7	page 7
40	page 9	page 9

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## P11 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio			3.111	3.111	3.167	3.105	3.100	3.158	3.158	3.211
	1800	571	-	62	80	96	146	175	239	293	353
			1	174	208	243	356	423	675	765	839
	1500	476	-	62	81	99	151	186	257	326	401
			1	155	189	223	329	401	644	756	850
	1200	381	-	61	80	99	152	192	266	346	434
			1	134	166	198	295	367	591	713	815
	1000	317	-	59	78	98	150	191	266	350	443
1			115	143	173	257	324	524	640	738	
900	286	-	57	77	95	148	189	263	350	444	
		1	107	134	167	243	306	497	611	708	
750	238	-	54	74	92	143	185	257	344	435	
		1	92	117	141	213	272	443	548	632	
4.0	Exact Reduction Ratio			3.944	3.889	4.059	3.889	4.063	3.938	3.938	4.000
	1800	450	-	62	80	95	144	158	222	277	339
			1	174	210	239	353	381	626	722	807
	1500	375	-	62	80	96	147	164	233	299	372
			1	153	187	216	321	352	584	693	788
	1200	300	-	59	79	95	146	165	236	310	392
			1	131	163	189	283	315	526	639	736
	1000	250	-	57	76	92	143	162	234	311	395
1			112	139	163	244	274	462	567	657	
900	225	-	55	74	90	140	160	231	308	393	
		1	103	130	158	229	259	436	539	627	
750	188	-	52	71	86	134	154	224	301	386	
		1	88	113	132	201	227	384	479	560	
4.5	Exact Reduction Ratio			4.563	4.438	4.375	4.438	4.625	4.588	4.412	4.412
	1800	400	-	56	74	91	134	158	233	292	358
			1	158	193	230	327	383	656	761	851
	1500	333	-	56	74	92	135	163	241	311	389
			1	138	171	206	294	351	604	723	823
	1200	267	-	53	71	90	133	163	242	321	405
			1	118	147	180	257	311	540	662	761
	1000	300	-	50	68	87	129	160	239	320	407
1			98	125	154	221	271	471	584	678	
900	222	-	49	67	85	127	157	235	317	404	
		1	91	117	149	208	254	444	553	645	
750	167	-	46	63	81	121	150	227	308	395	
		1	78	101	125	180	221	390	491	574	
5.0	Exact Reduction Ratio			4.895	4.889	4.941	4.882	5.000	4.938	5.133	5.133
	1800	360	-	62	77	92	135	147	218	264	329
			1	174	202	231	331	356	615	689	782
	1500	300	-	61	77	92	137	151	225	278	350
			1	151	178	206	298	325	565	645	742
	1200	240	-	58	74	90	134	150	225	282	360
			1	128	154	180	258	287	501	581	677
	1000	200	-	56	71	86	130	146	221	280	359
1			109	131	153	223	248	435	511	597	
900	180	-	53	69	84	127	143	217	276	356	
		1	100	121	147	208	232	410	483	567	
750	150	-	50	65	80	121	137	209	267	353	
		1	86	104	124	180	203	359	425	512	

## Temperature Correction Factor Table

Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	page 8	page 8
40	page 10	page 10

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Temperature Correction Factor : Ambient Temperature 30 degree C

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
1.25	Exact Reduction Ratio			1.250	1.242	1.276	1.226	1.233	1.233	1.267	1.258
	1800	1440	- 1	0.75	0.70	0.65	0.61	0.45	0.33	-	-
	1500	1200	- 1	0.79	0.76	0.74	0.72	0.67	0.63	0.58	0.36
	1200	960	- 1	0.82	0.82	0.79	0.78	0.76	0.74	0.73	0.67
	1000	800	- 1	0.83	0.82	0.81	0.80	0.79	0.79	0.77	0.75
	900	720	- 1	0.84	0.83	0.82	0.82	0.81	0.74	0.79	0.77
	750	600	- 1	0.85	0.85	0.83	0.83	0.82	0.82	0.81	0.80
1.6	Exact Reduction Ratio			1.643	1.643	1.643	1.556	1.577	1.577	1.615	1.615
	1800	1125	- 1	0.79	0.76	0.75	0.46	0.66	0.55	0.56	-
	1500	938	- 1	0.80	0.79	0.79	0.55	0.74	0.70	0.70	0.62
	1200	750	- 1	0.82	0.82	0.81	0.62	0.79	0.77	0.77	0.74
	1000	625	- 1	0.83	0.83	0.83	0.65	0.81	0.80	0.80	0.78
	900	563	- 1	0.84	0.84	0.83	0.66	0.82	0.81	0.81	0.80
	750	469	- 1	0.85	0.84	0.84	0.68	0.83	0.82	0.83	0.82
2.0	Exact Reduction Ratio			1.960	1.960	1.960	1.962	2.045	2.045	1.957	2.043
	1800	900	- 1	0.81	0.78	0.76	0.76	0.74	0.73	0.67	0.63
	1500	750	- 1	0.83	0.81	0.80	0.80	0.78	0.78	0.75	0.73
	1200	600	- 1	0.83	0.83	0.81	0.82	0.81	0.81	0.90	0.79
	1000	500	- 1	0.84	0.84	0.83	0.83	0.82	0.82	0.81	0.81
	900	450	- 1	0.84	0.84	0.83	0.84	0.83	0.83	0.82	0.82
	750	375	- 1	0.84	0.85	0.84	0.84	0.84	0.83	0.83	0.83
2.5	Exact Reduction Ratio			2.524	2.524	2.524	2.500	2.522	2.435	2.436	2.478
	1800	720	- 1	0.81	0.80	0.79	0.78	0.76	0.75	0.72	0.68
	1500	600	- 1	0.82	0.82	0.80	0.81	0.79	0.79	0.77	0.76
	1200	480	- 1	0.85	0.83	0.82	0.83	0.82	0.82	0.81	0.84
	1000	400	- 1	0.84	0.84	0.84	0.83	0.83	0.84	0.82	0.82
	900	360	- 1	0.84	0.85	0.84	0.84	0.83	0.83	0.83	0.83
	750	300	- 1	0.84	0.85	0.85	0.82	0.83	0.81	0.83	0.83

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Temperature Correction Factor : Ambient Temperature 30 degree C

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio			3.111	3.111	3.167	3.105	3.100	3.158	3.158	3.211
	1800	571	$\frac{-}{1}$	0.82	0.81	0.80	0.79	0.78	0.77	0.75	0.73
	1500	476	$\frac{-}{1}$	0.83	0.82	0.81	0.82	0.81	0.80	0.77	0.73
	1200	381	$\frac{-}{1}$	0.84	0.84	0.83	0.83	0.82	0.82	0.82	0.81
	1000	317	$\frac{-}{1}$	0.85	0.85	0.84	0.84	0.84	0.83	0.83	0.83
	900	286	$\frac{-}{1}$	0.84	0.84	0.85	0.84	0.84	0.83	0.83	0.83
	750	238	$\frac{-}{1}$	0.85	0.85	0.85	0.85	0.85	0.84	0.85	0.85
4.0	Exact Reduction Ratio			3.944	3.889	4.059	3.889	4.063	3.938	3.938	4.000
	1800	450	$\frac{-}{1}$	0.83	0.83	0.81	0.81	0.79	0.79	0.77	0.75
	1500	375	$\frac{-}{1}$	0.84	0.83	0.83	0.82	0.81	0.81	0.79	0.79
	1200	300	$\frac{-}{1}$	0.84	0.84	0.84	0.84	0.83	0.82	0.82	0.81
	1000	250	$\frac{-}{1}$	0.84	0.85	0.85	0.84	0.84	0.82	0.85	0.83
	900	225	$\frac{-}{1}$	0.86	0.85	0.85	0.85	0.84	0.84	0.84	0.84
	750	188	$\frac{-}{1}$	0.85	0.85	0.85	0.85	0.85	0.84	0.84	0.84
4.5	Exact Reduction Ratio			4.563	4.438	4.375	4.438	4.625	4.588	4.412	4.412
	1800	400	$\frac{-}{1}$	0.84	0.83	0.81	0.81	0.80	0.80	0.78	0.77
	1500	333	$\frac{-}{1}$	0.83	0.83	0.83	0.83	0.82	0.82	0.80	0.80
	1200	267	$\frac{-}{1}$	0.85	0.84	0.83	0.84	0.83	0.83	0.82	0.82
	1000	300	$\frac{-}{1}$	0.85	0.85	0.84	0.85	0.84	0.85	0.83	0.83
	900	222	$\frac{-}{1}$	0.85	0.85	0.85	0.84	0.84	0.84	0.84	0.84
	750	167	$\frac{-}{1}$	0.85	0.86	0.85	0.85	0.78	0.85	0.85	0.84
5.0	Exact Reduction Ratio			4.895	4.889	4.941	4.882	5.000	4.938	5.133	5.133
	1800	360	$\frac{-}{1}$	0.83	0.83	0.82	0.82	0.80	0.80	0.78	0.78
	1500	300	$\frac{-}{1}$	0.84	0.83	0.84	0.82	0.82	0.82	0.84	0.81
	1200	240	$\frac{-}{1}$	0.86	0.84	0.83	0.84	0.84	0.83	0.83	0.83
	1000	200	$\frac{-}{1}$	0.85	0.84	0.85	0.84	0.84	0.84	0.84	0.84
	900	180	$\frac{-}{1}$	0.86	0.85	0.85	0.85	0.85	0.84	0.84	0.84
	750	150	$\frac{-}{1}$	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.83



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Temperature Correction Factor : Ambient Temperature 40 degree C

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
1.25	Exact Reduction Ratio			1.250	1.242	1.276	1.226	1.233	1.233	1.267	1.258
	1800	1440	- 1	0.49	0.38	-	-	-	-	-	-
	1500	1200	- 1	0.57	0.52	0.47	0.45	0.33	-	-	-
	1200	960	- 1	0.63	0.60	0.57	0.56	0.52	0.49	0.45	0.34
	1000	800	- 1	0.67	0.63	0.68	0.61	0.59	0.57	0.55	0.50
	900	720	- 1	0.67	0.65	0.71	0.64	0.61	0.60	0.59	0.55
	750	600	- 1	0.69	0.67	0.66	0.66	0.65	0.64	0.63	0.61
1.6	Exact Reduction Ratio			1.643	1.643	1.643	1.556	1.577	1.577	1.615	1.615
	1800	1125	- 1	0.58	0.52	0.50	0.46	0.32	-	-	-
	1500	938	- 1	0.62	0.59	0.57	0.55	0.49	0.40	0.41	-
	1200	750	- 1	0.66	0.64	0.63	0.66	0.58	0.54	0.55	0.41
	1000	625	- 1	0.67	0.66	0.66	0.65	0.63	0.60	0.60	0.57
	900	563	- 1	0.68	0.65	0.67	0.66	0.64	0.62	0.63	0.60
	750	469	- 1	0.69	0.69	0.68	0.68	0.67	0.65	0.66	0.64
2.0	Exact Reduction Ratio			1.960	1.960	1.960	1.962	2.045	2.045	1.957	2.043
	1800	900	- 1	0.61	0.57	0.53	0.52	0.48	0.46	0.35	-
	1500	750	- 1	0.64	0.62	0.59	0.59	0.56	0.55	0.50	0.46
	1200	600	- 1	0.67	0.66	0.64	0.67	0.62	0.62	0.59	0.57
	1000	500	- 1	0.68	0.65	0.66	0.66	0.65	0.65	0.63	0.62
	900	450	- 1	0.69	0.68	0.67	0.67	0.66	0.66	0.65	0.64
	750	375	- 1	0.70	0.69	0.68	0.68	0.65	0.68	0.67	0.66
2.5	Exact Reduction Ratio			2.524	2.524	2.524	2.500	2.522	2.435	2.436	2.478
	1800	720	- 1	0.63	0.60	0.57	0.57	0.52	0.50	0.43	0.33
	1500	600	- 1	0.66	0.64	0.61	0.61	0.59	0.58	0.54	0.51
	1200	480	- 1	0.68	0.66	0.66	0.65	0.64	0.63	0.61	0.60
	1000	400	- 1	0.69	0.68	0.68	0.67	0.66	0.66	0.64	0.63
	900	360	- 1	0.70	0.69	0.68	0.68	0.67	0.67	0.66	0.65
	750	300	- 1	0.70	0.70	0.69	0.69	0.69	0.69	0.68	0.67

## Single Stage

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Temperature Correction Factor : Ambient Temperature 40 degree C

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio			3.111	3.111	3.167	3.105	3.100	3.158	3.158	3.211
	1800	571	$\frac{-}{1}$	0.64	0.62	0.60	0.59	0.56	0.55	0.50	0.46
	1500	476	$\frac{-}{1}$	0.66	0.65	0.64	0.61	0.61	0.61	0.57	0.56
	1200	381	$\frac{-}{1}$	0.68	0.67	0.67	0.65	0.65	0.65	0.63	0.62
	1000	317	$\frac{-}{1}$	0.69	0.69	0.67	0.67	0.67	0.67	0.66	0.65
	900	286	$\frac{-}{1}$	0.69	0.70	0.69	0.68	0.68	0.68	0.67	0.66
	750	238	$\frac{-}{1}$	0.71	0.69	0.70	0.69	0.69	0.69	0.68	0.69
4.0	Exact Reduction Ratio			3.944	3.889	4.059	3.889	4.063	3.938	3.938	4.000
	1800	450	$\frac{-}{1}$	0.66	0.64	0.63	0.62	0.59	0.58	0.54	0.52
	1500	375	$\frac{-}{1}$	0.67	0.66	0.64	0.65	0.63	0.63	0.60	0.59
	1200	300	$\frac{-}{1}$	0.70	0.68	0.67	0.67	0.66	0.66	0.64	0.63
	1000	250	$\frac{-}{1}$	0.70	0.69	0.68	0.68	0.68	0.68	0.67	0.66
	900	225	$\frac{-}{1}$	0.71	0.70	0.69	0.69	0.68	0.69	0.68	0.67
	750	188	$\frac{-}{1}$	0.71	0.70	0.70	0.69	0.70	0.69	0.69	0.68
4.5	Exact Reduction Ratio			4.563	4.438	4.375	4.438	4.625	4.588	4.412	4.412
	1800	400	$\frac{-}{1}$	0.67	0.64	0.63	0.65	0.60	0.60	0.56	0.53
	1500	333	$\frac{-}{1}$	0.68	0.66	0.66	0.65	0.64	0.64	0.61	0.59
	1200	267	$\frac{-}{1}$	0.69	0.68	0.68	0.68	0.67	0.66	0.65	0.64
	1000	300	$\frac{-}{1}$	0.70	0.69	0.69	0.69	0.68	0.68	0.67	0.66
	900	222	$\frac{-}{1}$	0.71	0.70	0.70	0.69	0.69	0.69	0.68	0.68
	750	167	$\frac{-}{1}$	0.70	0.70	0.70	0.70	0.70	0.70	0.69	0.69
5.0	Exact Reduction Ratio			4.895	4.889	4.941	4.882	5.000	4.938	5.133	5.133
	1800	360	$\frac{-}{1}$	0.66	0.64	0.64	0.63	0.61	0.60	0.57	0.55
	1500	300	$\frac{-}{1}$	0.68	0.67	0.66	0.65	0.64	0.64	0.62	0.61
	1200	240	$\frac{-}{1}$	0.71	0.69	0.68	0.68	0.67	0.67	0.66	0.65
	1000	200	$\frac{-}{1}$	0.70	0.69	0.70	0.69	0.69	0.68	0.67	0.97
	900	180	$\frac{-}{1}$	0.70	0.70	0.70	0.70	0.69	0.69	0.68	0.68
	750	150	$\frac{-}{1}$	0.70	0.70	0.70	0.70	0.70	0.70	0.69	0.68

## Single Stage

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## P12 Mechanical Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Size of Reducer							
			9015	9025	9030	9040	9050	9060	9070	9080
1.6	Exact Reduction Ratio		1.586	1.593	1.556	1.556	1.593	1.571	1.586	1.607
	1800	1125	68	100	183	257	350	603	900	1430
	1500	938	59	86	164	223	305	530	792	1250
	1200	750	49	77	132	187	256	448	677	1060
	1000	625	42	61	111	162	222	388	588	915
	900	563	38	56	100	148	203	355	538	837
	750	469	31	48	84	127	174	304	462	718
2.0	Exact Reduction Ratio		2.000	1.958	2.000	2.000	1.958	2.000	2.040	2.042
	1800	900	57	85	156	219	311	517	781	1230
	1500	750	49	73	132	190	271	455	687	1060
	1200	600	40	60	106	159	227	384	588	879
	1000	500	34	52	89	135	197	333	510	754
	900	450	30	47	80	122	180	304	467	690
	750	375	25.7	40	67	102	155	258	393	592
2.5	Exact Reduction Ratio		2.571	2.500	2.450	2.450	2.500	2.476	2.455	2.476
	1800	720	46	70	128	191	259	452	689	1050
	1500	600	39	60	107	163	226	398	607	906
	1200	480	32	49	86	131	190	336	519	851
	1000	400	26.9	42	72	110	164	277	428	644
	900	360	24.3	39	65	99	150	250	387	589
	750	300	20.3	33	54	83	129	209	324	506
3.15	Exact Reduction Ratio		3.222	3.190	3.150	3.211	3.100	3.100	3.200	3.190
	1800	571	37	57	94	139	238	373	545	815
	1500	476	31	48	79	116	207	312	458	684
	1200	381	25.3	38	63	94	167	252	369	552
	100	317	21.2	32	53	78	140	211	309	463
	900	286	19.1	29.4	48	71	126	190	279	418
	750	238	16	24.6	40	59	105	159	234	350
4.0	Exact Reduction Ratio		4.000	3.944	3.941	4.000	4.063	4.063	4.000	3.889
	1800	450	27.9	44	71	104	171	259	414	632
	1500	375	23.3	37	60	87	143	217	347	531
	1200	300	18.8	29.8	48	70	115	175	280	428
	1000	250	15.7	24.9	40	59	97	146	234	358
	900	225	14.2	22.5	36	53	87	132	211	324
	750	188	11.8	18.8	30	44	73	111	177	271

## Notes

1. When the high speed shaft speed is not shown in the table, find it by the interpolation method.
2. When the high speed shaft speed(N) is lower than 750r/min,find the mechanical power rating(P<sub>N</sub>) according to the following formula.

$$P_N = P_{750} \times \frac{N}{750}$$

3. Consult us when the high speed shaft speed is over 1800r/min.
4. Shown in the table are the ratings for the slow speed shaft.

## Single Stage

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## P12 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
1.6	Exact Reduction Ratio			1.586	1.593	1.556	1.556	1.593	1.571	1.586	1.607
	1800	1125	-	92	117	134	203	251	360	494	555
			1	256	307	338	498	608	1015	1290	1321
	1500	938	-	89	115	135	203	255	366	508	583
			1	222	268	304	443	549	919	1179	1234
	1200	750	-	86	110	134	200	252	364	509	594
			1	189	228	267	386	482	810	1050	1117
	1000	625	-	82	106	130	194	247	356	501	590
			1	160	194	230	332	472	703	915	983
	900	563	-	80	103	128	189	242	350	494	584
1			149	180	216	310	393	662	864	932	
750	469	-	75	98	122	181	233	338	479	569	
		1	128	156	189	270	343	581	762	825	
2.0	Exact Reduction Ratio			2.000	1.958	2.000	2.000	1.958	2.000	2.040	2.042
	1800	900	-	82	98	124	189	237	341	452	524
			1	229	255	313	463	574	962	1178	1246
	1500	750	-	80	95	124	187	237	341	458	542
			1	198	220	279	407	510	856	1063	1147
	1200	600	-	76	90	121	181	232	335	454	545
			1	168	186	241	350	443	745	936	1025
	1000	500	-	72	86	116	174	224	325	444	538
			1	141	157	206	298	429	641	811	896
	900	450	-	70	83	114	170	219	318	436	507
1			131	145	193	278	355	601	762	1127	
750	375	-	66	77	108	161	209	305	420	685	
		1	113	123	167	241	309	524	669	994	
2.5	Exact Reduction Ratio			2.571	2.500	2.450	2.450	2.500	2.476	2.455	2.476
	1800	720	-	71	92	112	172	212	308	419	488
			1	200	242	283	421	514	867	1092	1162
	1500	600	-	68	90	111	169	210	305	421	500
			1	170	210	250	368	452	766	977	1058
	1200	480	-	65	86	107	162	204	297	414	499
			1	143	177	214	314	390	662	854	938
	1000	400	-	62	82	104	155	197	287	403	489
			1	121	150	183	266	376	566	736	815
	900	360	-	79	79	101	151	191	280	395	482
1			148	138	170	247	310	529	691	768	
750	300	-	56	74	95	143	182	267	505	464	
		1	95	119	147	214	269	459	804	674	

## Temperature Correction Factor Table

Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	0.85	0.87
40	0.70	0.73

## Single Stage

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## P12 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio			3.222	3.190	3.150	3.211	3.100	3.100	3.200	3.190
	1800	571	-	63	95	109	163	209	297	392	488
			1	176	248	275	399	506	838	1022	1162
	1500	476	-	60	91	107	159	206	293	390	494
			1	150	212	241	347	444	736	906	1047
	1200	381	-	56	86	103	152	198	283	381	488
			1	124	177	205	293	379	630	786	918
	1000	317	-	53	81	99	145	191	272	368	476
			1	104	149	175	248	364	537	673	793
	900	286	-	51	78	96	140	185	265	360	467
1			96	137	163	230	300	500	630	745	
750	238	-	47	73	90	132	176	251	344	449	
		1	81	116	139	197	259	432	547	651	
4.0	Exact Reduction Ratio			4.000	3.944	3.941	4.000	4.063	4.063	4.000	3.889
	1800	450	-	53	81	94	139	175	248	341	450
			1	149	212	237	340	423	700	891	1071
	1500	375	-	50	78	92	135	170	243	338	448
			1	125	182	206	294	367	610	784	948
	1200	300	-	47	73	87	128	163	233	326	437
			1	103	151	174	247	311	518	673	821
	1000	250	-	44	68	83	122	155	222	314	422
			1	85	125	147	208	295	438	574	702
	900	225	-	42	66	80	117	150	215	306	412
1			79	116	136	192	243	407	535	657	
750	188	-	39	61	75	110	141	203	290	392	
		1	67	97	116	164	208	350	462	569	

## Temperature Correction Factor Table

Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	0.85	0.87
40	0.70	0.73

## Single Stage

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## R12 Mechanical Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Size of Reducer							
			9015	9025	9030	9040	9050	9060	9070	9080
1.6	Exact Reduction Ratio		1.588	1.556	1.611	1.647	1.571	1.571	1.571	1.571
	1800	1125	74	98	152	236	334	568	798	1020
	1500	938	63	81	127	197	279	475	667	857
	1200	750	50	65	102	158	224	381	535	688
	1000	625	42	54	85	132	187	318	447	575
	900	563	38	49	76	119	168	287	403	518
	750	469	31	41	64	99	141	240	337	433
2.0	Exact Reduction Ratio		2.000	2.071	2.000	2.000	2.000	2.000	2.053	2.048
	1800	900	57	76	143	217	350	544	810	1150
	1500	750	48	63	119	181	296	467	713	1010
	1200	600	38	51	95	145	237	374	577	868
	1000	500	32	42	80	120	197	312	482	737
	900	450	29.1	38	72	108	177	280	435	664
	750	375	24.2	31	60	90	148	234	363	555
2.5	Exact Reduction Ratio		2.545	2.545	2.538	2.615	2.462	2.538	2.571	2.471
	1800	720	45	73	111	161	284	434	713	1000
	1500	600	37	61	93	134	236	362	611	864
	1200	480	30	49	74	107	189	289	485	716
	1000	400	25	40	62	89	157	241	405	608
	900	360	22.5	36	55	80	142	217	365	547
	750	300	18.8	30	46	67	118	181	305	456
3.15	Exact Reduction Ratio		3.083	3.091	3.091	3.273	3.000	3.167	3.250	3.231
	1800	571	38	59	89	122	225	322	512	732
	1500	476	32	49	74	102	188	269	428	612
	1200	381	25.7	39	59	82	150	216	343	491
	1000	317	21.4	33	49	68	125	180	286	410
	900	286	19.3	29.7	44	61	112	162	258	369
	750	238	16.1	24.8	37	51	94	136	215	308
4.0	Exact Reduction Ratio		4.000	4.111	4.000	4.000	3.909	3.909	4.000	4.000
	1800	450	28.3	42	67	96	169	261	373	545
	1500	375	23.6	35	56	80	141	218	311	455
	1200	300	18.9	28.6	45	64	113	175	250	365
	1000	250	15.8	23.9	37	54	94	146	208	305
	900	225	14.2	21.5	33	48	84	131	188	275
	750	188	11.9	17.9	28.2	40	70	109	157	229

## Notes

1. When the high speed shaft speed is not shown in the table, find it by the interpolation method.
2. When the high speed shaft speed(N) is lower than 750r/min, find the mechanical power rating(P<sub>N</sub>) according to the following formula.

$$P_N = P_{750} \times \frac{N}{750}$$

3. Consult us when the high speed shaft speed is over 1800r/min.
4. Shown in the table are the ratings for the slow speed shaft.

## Single Stage

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## R12 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer								
				9015	9025	9030	9040	9050	9060	9070	9080	
1.6	Exact Reduction Ratio			1.586	1.556	1.611	1.647	1.571	1.571	1.571	1.571	
	1800	1125	-	72	92	111	160	199	278	403	488	
			1	177	246	299	476	583	858	1087	1716	
	1500	938	-	71	92	113	163	204	289	416	504	
			1	156	218	269	431	533	794	1000	1579	
	1200	750	-	69	89	111	161	205	292	419	508	
			1	135	188	236	379	474	712	895	1412	
	1000	625	-	67	86	109	158	201	288	414	494	
		1	115	161	204	328	413	624	782	1217		
900	563	-	65	84	106	155	198	285	409	495		
		1	107	150	191	308	389	590	739	1168		
750	469	-	62	80	102	149	191	276	396	480		
		1	93	130	167	269	342	520	653	1031		
2.0	Exact Reduction Ratio			2.000	2.071	2.000	2.000	2.000	2.000	2.000	2.053	2.048
	1800	900	-	66	77	104	150	188	265	368	457	
			1	162	205	278	444	551	817	994	1607	
	1500	750	-	65	76	103	150	190	270	376	466	
			1	142	180	247	396	496	742	902	1461	
	1200	600	-	62	73	101	147	188	268	374	465	
			1	121	153	213	344	435	655	798	1293	
	1000	500	-	59	69	97	142	183	263	367	456	
		1	102	130	183	295	376	569	693	1124		
900	450	-	58	67	95	139	180	258	361	449		
		1	95	120	171	276	353	535	652	1059		
750	375	-	54	64	90	133	172	249	348	434		
		1	82	103	148	240	308	469	573	931		
2.5	Exact Reduction Ratio			2.545	2.545	2.538	2.615	2.462	2.538	2.571	2.471	
	1800	720	-	55	74	93	136	168	239	341	424	
			1	136	198	250	403	493	738	921	1492	
	1500	600	-	54	73	93	135	169	241	345	429	
			1	119	173	221	357	440	664	830	1344	
	1200	480	-	52	70	90	131	165	238	341	425	
			1	101	148	190	308	383	582	728	1180	
	1000	400	-	50	67	86	127	160	232	333	414	
		1	86	125	162	264	329	502	630	1021		
900	360	-	48	65	84	124	157	227	327	407		
		1	80	116	151	246	308	471	591	959		
750	300	-	45	61	80	118	150	218	314	391		
		1	68	100	130	213	268	411	517	840		

## Temperature Correction Factor Table

Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	0.85	0.87
40	0.70	0.73

## Single Stage

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## R12 Thermal Power Rating (kW)

Nominal Reduction Ratio	H.Speed Shaft Speed r/min	L.Speed Shaft Speed r/min	Number of Cooling Fans	Size of Reducer							
				9015	9025	9030	9040	9050	9060	9070	9080
3.15	Exact Reduction Ratio			3.083	3.091	3.091	3.273	3.000	3.167	3.250	3.231
	1800	571	-	50	74	91	129	231	231	319	422
			1	122	198	244	383	676	713	862	1484
	1500	476	-	48	72	90	127	231	231	320	423
			1	106	172	214	336	604	637	769	1325
	1200	381	-	46	69	86	123	227	227	314	415
			1	89	146	182	288	525	554	669	1154
	1000	317	-	43	66	83	118	220	220	304	403
1			75	123	155	245	451	476	575	993	
900	286	-	42	64	80	115	215	215	298	395	
		1	69	114	144	228	423	446	539	931	
750	238	-	39	60	76	109	206	206	285	378	
		1	59	97	123	197	367	387	469	811	
4.0	Exact Reduction Ratio			4.000	4.111	4.000	4.000	3.909	3.909	4.000	4.000
	1800	450	-	41	64	78	108	193	193	279	375
			1	102	170	210	322	565	596	752	1322
	1500	375	-	40	62	76	108	192	192	277	374
			1	88	147	182	285	500	527	666	1171
	1200	300	-	38	59	73	103	186	186	269	364
			1	74	124	155	243	431	455	574	1012
	1000	250	-	47	74	93	132	240	240	346	469
1			82	138	174	274	491	518	654	1156	
900	225	-	46	72	90	128	233	233	338	460	
		1	75	128	161	254	458	483	611	1085	
750	188	-	42	67	84	120	222	222	321	437	
		1	64	109	137	218	396	418	529	937	

## Temperature Correction Factor Table

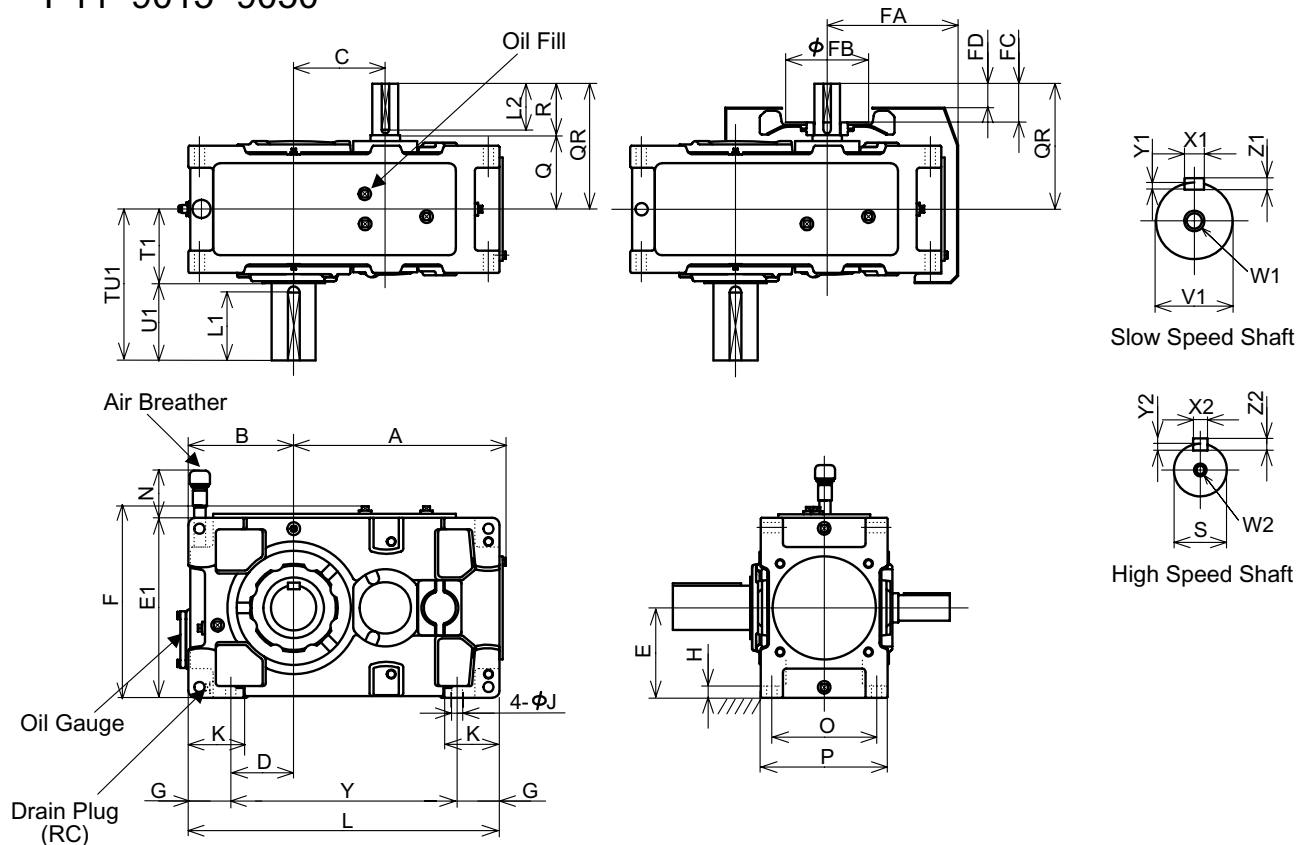
Ambient Temperature degree C	Temperature Correction Factor	
	Without fan	With fan
20	1.00	1.00
30	0.85	0.87
40	0.70	0.73



Single Stage

3. Dimensions

P11 9015~9050



Size	A	B	C	D	E	E1	F	G	H	J	K	L	O	P	Y	N
9015	295	160	115	90	135	270	299	70	22	15	95	440	170	205	300	101
9025	346	175	135	95	155	310	339	80	25	19	110	505	195	235	345	113
9030	406	200	155	110	160	320	349	90	28	24	120	590	215	265	410	120
9040	467	235	180	120	200	400	431	115	30	28	150	685	255	315	455	128
9050	537	255	210	138.5	210	420	451	116.5	32	28	150	775	285	345	542	136

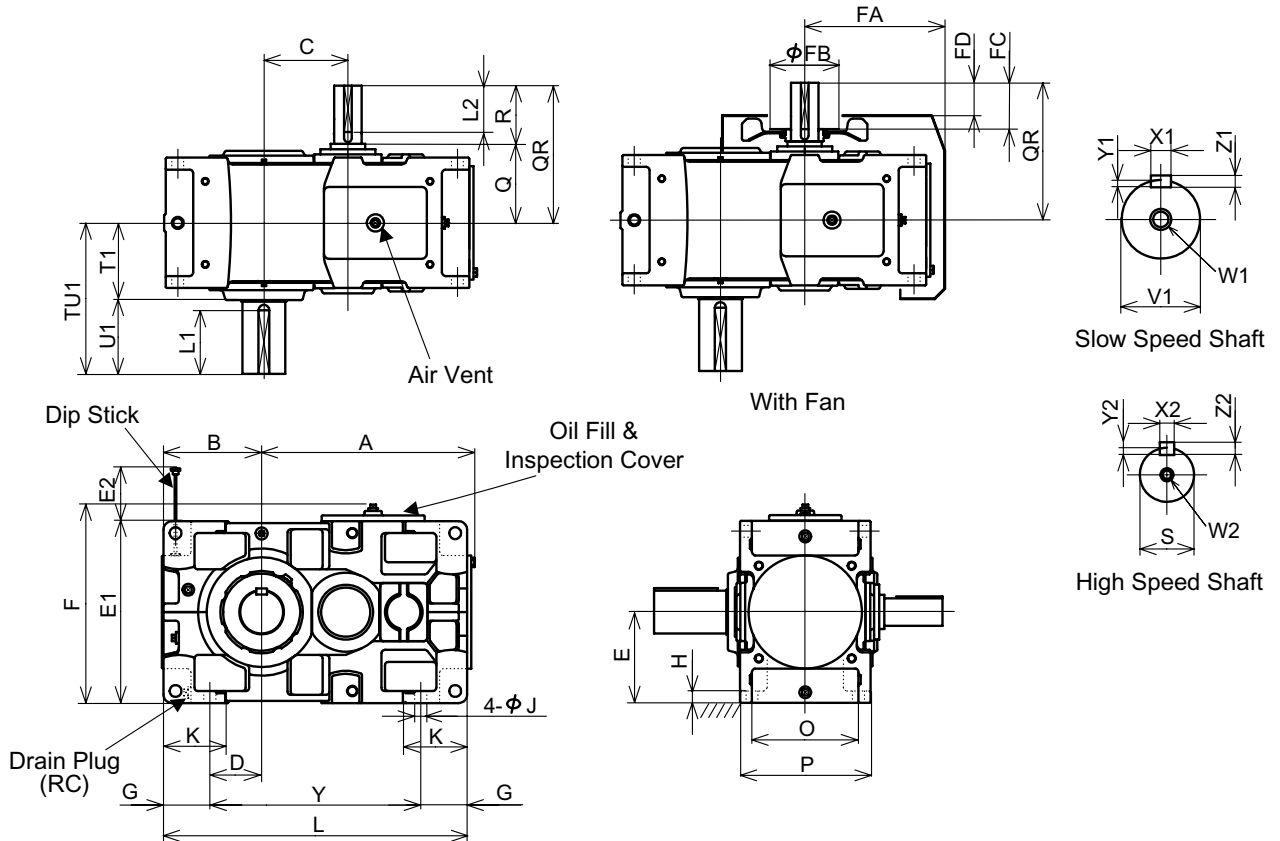
Size	High Speed Shaft									Slow Speed Shaft								
	Q	QR	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
						X2	Y2	Z2	L2						X1	Y1	Z1	L1
9015	135	215	80	35k6	M12/28	10	5	8	70	245	135	110	58m6	M20/42	18	7	11	95
9025	145	255	110	45k6	M16/36	14	5.5	9	95	285	145	140	70m6	M20/42	20	7.5	12	125
9030	160	270	110	50k6	M16/36	14	5.5	9	95	330	160	170	80m6	M20/42	22	9	14	150
9040	179	319	140	60m6	M20/42	18	7	11	125	349	179	170	95m6	M24/50	25	9	14	150
9050	201	341	140	70m6	M20/42	20	7.5	12	125	411	201	210	110m6	M24/50	28	10	16	190

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9015	208	160	50	30	3/4"	100	4
9025	235	160	80	52	3/4"	140	6
9030	278	200	80	52	3/4"	190	8
9040	314	200	105	65	1"	280	12
9050	356	200	105	65	1"	400	16

Unit : mm

Single Stage

P11 9060~9080



Size	A	B	C	D	E	E1	E2	F	G	H	J	K	L	O	P	Y
9060	621	299	245	151	265	530	183	578	135	35	35	180	885	310	380	615
9070	719	336	285	163	300	600	213	648	160	160	40	215	1020	350	430	700
9080	812	378	330	205	335	670	233	718	160	160	52	220	1155	380	460	835

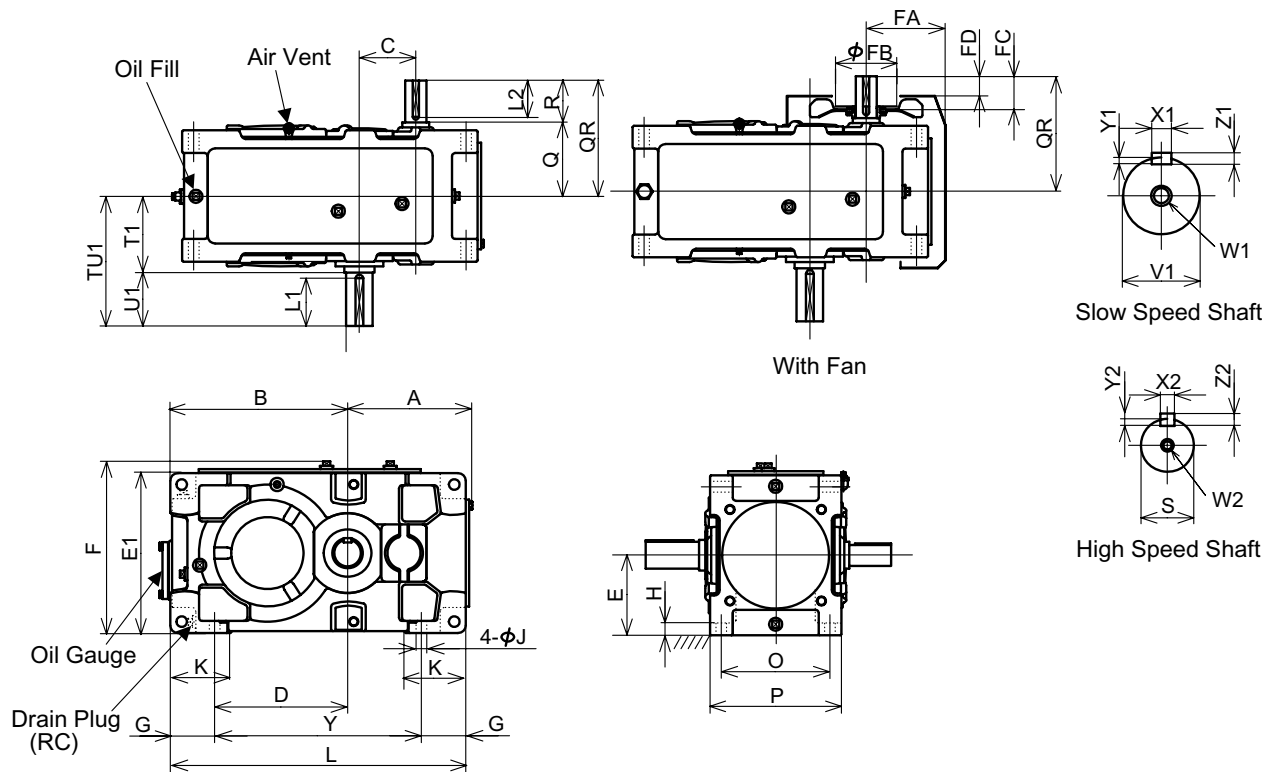
Size	High Speed Shaft									Slow Speed Shaft								
	Q	QR	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
						X2	Y2	Z2	L2						X1	Y1	Z1	L1
9060	230	400	170	80m6	M20/42	22	9	14	150	440	230	210	125m6	M24/50	32	11	18	185
9070	259	429	170	95m6	M24/50	25	9	14	150	509	259	250	145m6	M30/60	36	12	20	225
9080	282	492	210	100m6	M24/50	28	10	16	190	582	282	300	165m6	M30/60	40	13	22	275

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9060	409	200	135	90	1"	580	20
9070	471	250	135	90	1"	820	32
9080	522	250	175	105	1"	1180	48

Unit : mm

Single Stage

P12 9015~9050



Size	A	B	C	D	E	E1	F	G	H	J	K	L	O	P	Y
9015	180	275	79	205	135	270	299	70	22	15	95	440	170	205	300
9025	181	310	92	230	155	310	339	80	25	19	110	505	195	235	345
9030	251	355	109	265	160	320	349	90	28	24	120	590	215	265	410
9040	287	415	126	300	200	400	431	115	30	28	150	685	255	315	455
9050	327	465	148	348.5	210	420	451	116.5	32	28	150	775	285	345	542

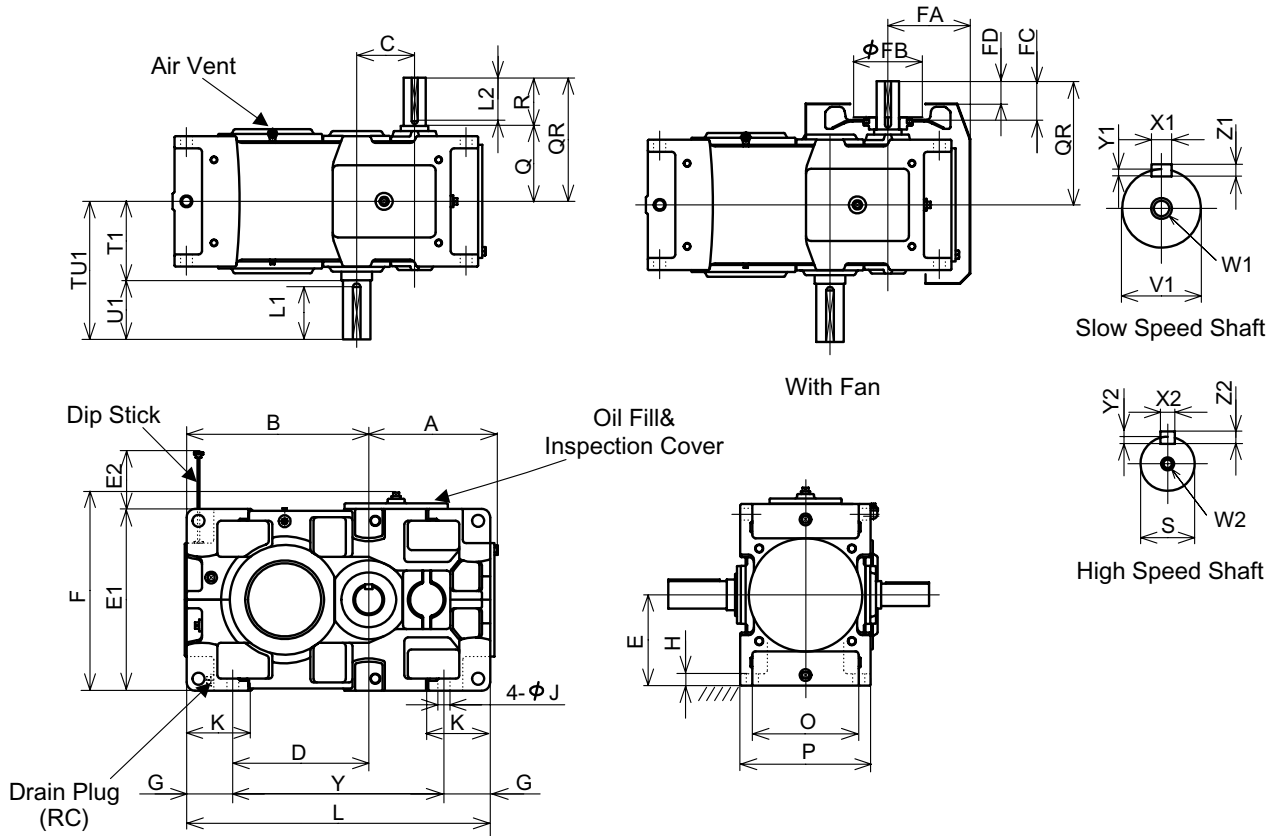
Size	High Speed Shaft								Slow Speed Shaft									
	Q	QR	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
						X2	Y2	Z2	L2						X1	Y1	Z1	L1
9015	131	211	80	30k6	M10/22	8	4	7	70	215	135	80	35k6	M12/28	10	5	8	70
9025	146	226	80	35k6	M12/28	10	5	8	70	255	145	110	45k6	M16/36	14	5.5	9	95
9030	159	269	110	40k6	M16/36	12	5	8	95	270	160	110	50k6	M16/36	14	5.5	9	95
9040	174	284	110	50k6	M16/36	14	5.5	9	95	319	179	140	60m6	M20/42	18	7	11	125
9050	193	303	110	55m6	M20/42	16	6	10	95	341	201	140	70m6	M20/42	20	7.5	12	125

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9015	129	125	50	30	3/4"	80	5
9025	143	140	50	30	3/4"	110	7
9030	169	140	80	52	3/4"	150	10
9040	188	160	80	52	1"	230	15
9050	208	160	80	52	1"	320	19

Unit : mm

Single Stage

P12 9060~9080



Size	A	B	C	D	E	E1	E2	F	G	H	J	K	L	O	P	Y
9060	376	544	169	396	265	530	156	578	135	35	35	180	885	310	380	615
9070	434	621	197	498	300	600	187	648	160	40	42	215	1020	350	430	700
9080	482	708	226	535	335	670	208	718	160	52	42	220	1155	380	460	835

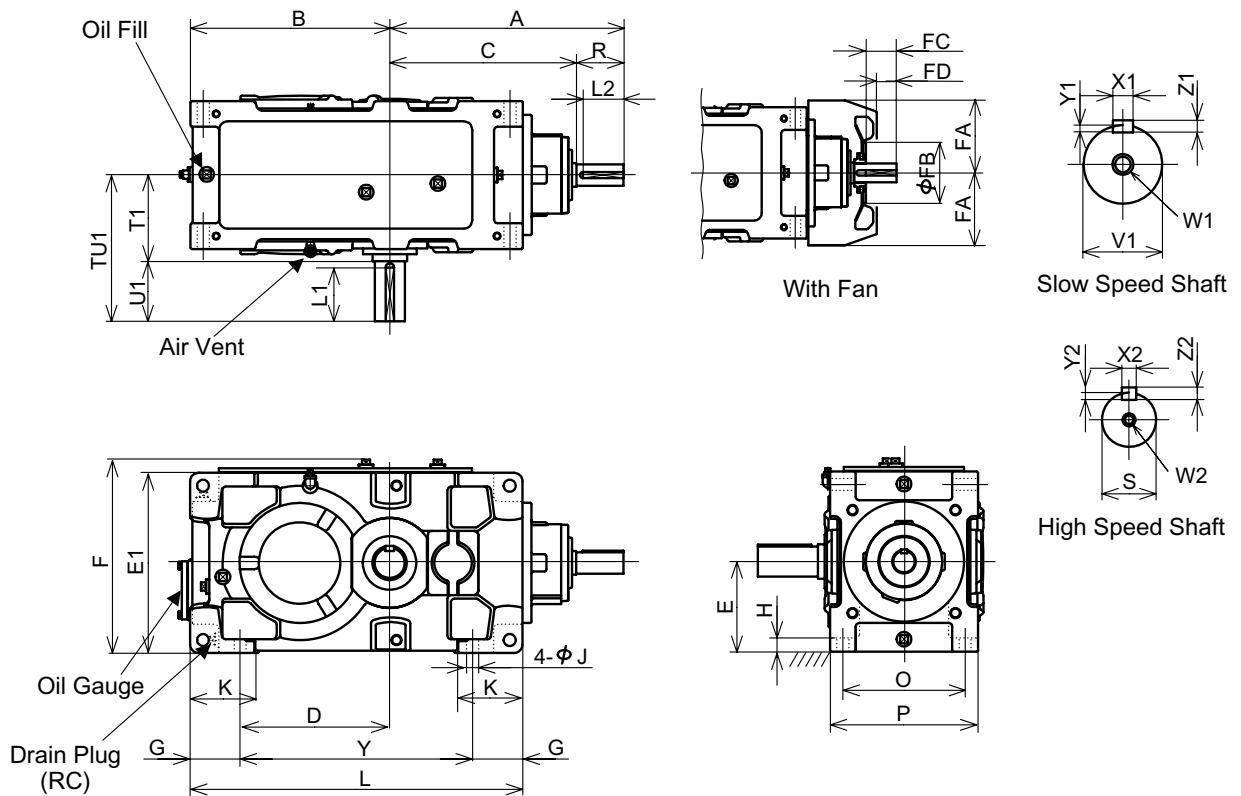
Size	High Speed Shaft									Slow Speed Shaft								
	Q	QR	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
						X2	Y2	Z2	L2						X1	Y1	Z1	L1
9060	220	360	140	65m6	M20/42	18	7	11	125	400	230	170	80m6	M20/42	22	9	14	150
9070	245	385	140	75m6	M20/42	20	7.5	12	125	429	259	170	95m6	M24/50	25	9	14	150
9080	264	434	170	85m6	M20/42	22	9	14	150	492	282	210	100m6	M24/50	28	10	16	190

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9060	240	200	105	65	1"	470	26
9070	274	225	105	65	1"	650	39
9080	296	225	135	95	1"	905	56

Unit : mm

Single Stage

R12 9015~9050



Size	A	B	C	D	E	E1	F	G	H	J	K	L	O	P	Y
9015	392	275	312	205	135	270	299	70	22	15	95	440	170	205	300
9025	410	310	330	230	155	310	339	80	25	19	110	505	195	235	345
9030	490	355	380	265	160	320	349	90	28	24	120	590	215	265	410
9040	525	415	415	300	200	400	431	115	30	28	150	685	255	315	455
9050	545	435	435	348.5	210	420	451	116.5	32	28	150	775	285	345	542

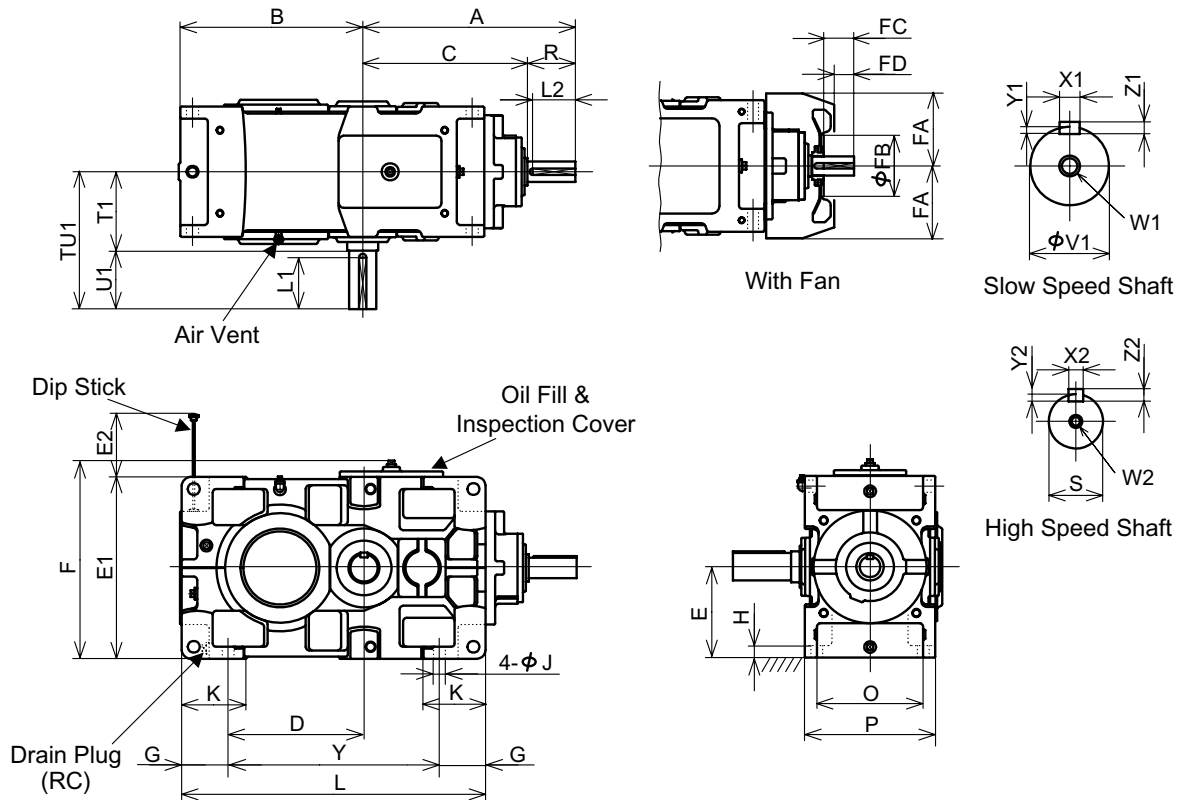
Size	High Speed Shaft							Slow Speed Shaft								
	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
				X2	Y2	Z2	L2						X1	Y1	Z1	L1
9015	80	28k6	M12/28	8	4	7	70	215	135	80	35k6	M12/28	10	5	8	70
9025	80	35k6	M12/28	10	5	8	70	255	145	110	45k6	M16/36	14	5.5	9	95
9030	110	40k6	M16/36	14	5.5	9	95	270	160	110	50k6	M16/36	14	5.5	9	95
9040	110	45k6	M16/36	14	5.5	9	95	319	179	140	60m6	M20/42	18	7	11	125
9050	110	50k6	M16/36	14	5.5	9	95	341	201	140	70m6	M20/42	20	7.5	12	125

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9015	125	125	50	30	3/4"	80	5
9025	135	140	50	30	3/4"	110	7
9030	150	140	80	52	3/4"	165	10
9040	170	160	80	52	1"	250	15
9050	190	160	80	52	1"	340	19

Unit : mm

Single Stage

R12 9060~9080



Size	A	B	C	D	E	E1	E2	F	G	H	J	K	L	O	P	Y
9060	620	544	480	396	265	530	156	578	135	35	35	180	885	310	380	615
9070	680	621	540	448	300	600	187	648	160	52	42	215	1020	350	430	700
9080	750	708	610	535	335	670	208	718	160	52	42	220	1155	380	460	835

Size	High Speed Shaft							Slow Speed Shaft								
	R	S	W2/Depth	Key				TU1	T1	U1	V1	W1/Depth	Key			
				X2	Y2	Z2	L2						X1	Y1	Z1	L1
9060	140	60m6	M20/42	18	7	11	125	400	230	170	80m6	M20/42	22	9	14	150
9070	140	65m6	M20/42	18	7	11	125	469	259	210	100m6	M24/50	28	10	16	190
9080	140	75m6	M20/42	20	7.5	12	125	492	282	210	110m6	M24/50	28	10	16	190

Size	Cooling Fan				RC	Mass kg	Oil Qty. L
	FA	FB	FC	FD			
9060	220	160	105	65	1"	460	26
9070	245	200	105	65	1"	710	39
9080	270	225	105	60	1"	965	56

Unit : mm